

IN THE CLAIMS

Please replace the claims as filed with the claims set forth below. This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A rectangular concrete tank comprising:

a concrete slab having a slab ~~steel-metal~~ plate anchored thereto, the slab ~~steel-metal~~ plate defining at least one substantially linear concrete side wall location of a rectangular tank outline; and

a plurality of preformed concrete side panels each having metal plates attached along a bottom edge and along opposing side edges, the bottom edge plates being welded in a liquid-tight weld to the slab metal plate defining the concrete side wall location and at least one side metal plate of each side panel being connected to a side metal plate of an adjacent side panel by a connection including at least one liquid-tight weld to define a rectangular tank side wall.

2. (Original) The rectangular tilt-up tank of claim 1 further comprising:

a plurality of slab metal plates anchored to the concrete slab defining at least two adjacent substantially linear concrete side wall locations of the rectangular tank outline;

a plurality of preformed concrete side panels each having metal plates attached along a bottom edge and opposing side edges, the bottom edge plates being welded in a liquid-tight weld to a slab metal plate defining a concrete side wall location and at least one side metal plate of each side panel being welded to a side metal plate of an adjacent side panel in a liquid-tight weld to define at least two adjacent rectangular tank side walls;

an L-shaped continuous metal corner brace between adjacent side metal plates of adjacent tank sides, with a leg of the L-shaped continuous metal corner brace abutting the adjacent side metal plates, the adjacent side metal plates being welded in a liquid-tight weld to the abutting leg of the L-shaped continuous metal corner brace to define a liquid-tight rectangular tank corner.

3. (Original) The rectangular tilt-up tank of claim 2 wherein the L-shaped continuous metal corner brace includes a diagonal gusset plate extending between a distal end of each leg of the L-shaped continuous metal corner brace.

4. (Original) The rectangular tilt-up tank of claim 1 further comprising a plurality of vertically spaced horizontal post-tensioning sleeves within each preformed concrete side panel configured to define a plurality of continuous horizontal post-tensioning sleeves with adjacent side panels, the continuous post-tensioning sleeves receiving post-tensioned tendons.

5. (Original) The rectangular tilt-up tank of claim 2 further comprising a plurality of vertically spaced horizontal post-tensioning sleeves within each preformed concrete side panel configured to define a plurality of continuous horizontal post-tensioning sleeves with adjacent side panels, the continuous post-tensioning channels receiving post-tensioned tendons, the post-tensioned tendons being anchored at the L-shaped continuous metal corner braces adjacent each tank side comprised of the side panels.

6. (Original) The rectangular tilt-up tank of claim 2 further comprising:
a plurality of vertically spaced horizontal post-tensioning sleeves within each preformed concrete side panel configured to define a plurality of continuous horizontal post-tensioning sleeves with adjacent side panels, the continuous post-tensioning channels receiving post-tensioned tendons; and

a pulley attached to an L-shaped continuous metal corner brace between a pair of adjacent tank sides with a sheave of the pulley receiving the post-tensioned cable to direct the cable between aligned continuous post-tensioning channels of adjacent tank sides.

7. (Original) The rectangular tilt-up tank of claim 1 further comprising a plurality of horizontally spaced vertical post-tensioning sleeves within each preformed concrete side panel and a corresponding vertical post-tensioning anchor embedded in the slab aligned with each vertical post-tensioning sleeve, each vertical post-tensioning sleeve receiving a vertical post-tensioned tendon attached to a corresponding vertical post-tensioning anchor.

8. (Original) The rectangular tilt-up tank of claim 4 further comprising a plurality of horizontally spaced vertical post-tensioning sleeves within each preformed concrete side panel and a corresponding vertical post-tensioning anchor embedded in the slab aligned with

each vertical post-tensioning sleeve, each vertical post-tensioning sleeve receiving a vertical post-tensioned tendon attached to a corresponding vertical post-tensioning anchor.

9. (Original) The rectangular tilt-up tank of claim 1 wherein each slab metal plate has a top surface substantially coplanar with a top surface of the concrete slab.

10. (Original) The rectangular tilt-up tank of claim 1 wherein the slab metal plates anchored in the concrete slab comprise a bottom plate of a U-shaped channel.

11. (Original) The rectangular tilt-up tank of claim 10 further comprising a plurality of headed anchor studs having a headed end embedded in the concrete and a second end attached to the U-shaped channel.

12. (Original) The rectangular tilt-up tank of claim 1 wherein each of the preformed concrete side panels has a lengthwise void adjacent the metal plate along bottom edge for receiving a protective grout.

13. (Original) The rectangular tilt-up tank of claim 1 wherein the side metal plates of each side panel do not extend the entire width of the side edges, so that with adjacent side metal panels in abutment a lengthwise grout receptacle is defined.

14-27. Canceled.